HARSH RAI

Bina, Madhya Pradesh

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EDUCATION

Indian Institute of Information Technology Jabalpur   **Aug 2023 – Aug 2027**
Bachelor of Technology Computer Science and Engineering   *Jabalpur, India*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Computer Network
- Database Management System (DBMS)
- OOPS Concept
- Web Development
- Computer Architecture & Organization
- Cloud Deployment
- Version Control
- Communication
- Teamwork
- Problem Solving
- Analytical Thinking

PROJECTS

Harsh's Portfolio ☍ | React js ,JavaScript ,Tailwind CSS   **Aug 2025**

- Developed a personal portfolio website using React and JavaScript to highlight projects, skills, and achievements, aimed at building a strong online presence.
- Crafted a modern, responsive interface with Tailwind CSS, ensuring consistent performance across devices.
- Engineered reusable React components, intuitive navigation, and dynamic project sections for scalability.
- Launched on Vercel for fast, reliable, and production-ready hosting.

WanderStay ☍ | MongoDB, Express.js, React, Node.js   **Jun 2025**

- Built a full-featured travel booking platform using the MERN stack, enabling users to explore, reserve, and manage accommodations.
- Delivered a responsive, mobile-friendly UI with React.js, React Router, and Context API, ensuring smooth navigation and reusable elements.
- Integrated secure authentication with JWT and bcrypt for signup, login, and protected sessions.
- Constructed RESTful APIs with Node.js, Express.js, and MongoDB Atlas to handle users, packages, and booking workflows.
- Enabled image upload (Multer + Cloudinary) and deployed the application on Render for production scalability.

Apna-VideoCall ☍ | MongoDB, Express.js, React, Node.js   **Mar 2025**

- Built a real-time video conferencing platform using the MERN stack with WebRTC and Socket.IO for secure, high-quality virtual meetings.
- Implemented peer-to-peer video/audio streaming, instant chat, dynamic room management, and screen sharing features.
- Designed a responsive React.js UI with adaptive video grid layouts, intuitive participant controls, and live in-app notifications.
- Applied Redux for efficient state management across sessions, chat, media streams, and synchronized interface updates.
- Deployed RESTful APIs for user/session handling and hosted the platform on Render for scalable production use.

Rank-Sphere | Mysql, Express.js, React, Node.js ,Tailwind CSS   **Dec 2024**

- Developed Rank Sphere, a full-stack MERN web app to track competitive programming performance across CodeChef, Codeforces, and LeetCode.
- Implemented user authentication and platform ID storage for personalized performance insights.
- Integrated public APIs to display live ratings, problem statistics, and topic-wise analysis through interactive charts.
- Streamlined API handling with automated data refresh for seamless, real-time monitoring.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, Html, CSS, JavaScript, SQL, NoSQL

Tech./Frameworks: Git, GitHub, ReactJS, Redux, NodeJS, ExpressJS, Mongodb, Bootstrap, Tailwind CSS

Achievements

- **Global Rank 591 out of 11,000+ participants** in CodeChef Contest Starters 194 (13-July-2025).

- Solved **200+** coding problems across platforms like CodeChef, CodeForces, and LeetCode, strengthening problem-solving and algorithmic skills.